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| **Observation Record/Witness Statement** | | | | | | | | |
| **Learner Name** | | **Harrison Crane** |  | | **Learner number** | | **2850** |  |
|  | |  | | |  | | |  |
| **Centre Name** | | **Peter Symonds college** |  | | **Centre Number** | | **58281** |  |
|  | |  | | |  | | |  |
| **Unit Name** | | **Artefact** |  | | **Unit number** | | **P304** |  |
|  | |  | | |  | | |  |
| **Project Title** | | **Creating an educational web application to visualise sorting algorithms** | | | | | |  |
| This form should be included in the candidates work which is submitted for moderation | | | | | | | | |
| **What task/activity are you assessing?** | | | | | | | | |
| **Creating an educational web application to visualise sorting algorithms** | | | | | | | | |
| **How has the task/activity met the requirements of the Specification?** | | | | | | | | |
| **I can confirm the project meets A Level standard. The Bubble sort and Merge sort algorithms are implemented both of which are on the A level specification in addition to a number of other algorithms outside of the A Level curriculum. Students are required to be able to trace and analyse each sort algorithm, this is shown visually along with comparison counts and swaps. Code style is of an excellent standard, is modular, cohesive, loosely coupled and implements exception handling. Recursion, a complex coding technique from the highest marking band is implemented to demonstrate the merge sort. A range of techniques from bands B and C are also implemented. The interface is well designed and easy to navigate.** | | | | | | | | |
| **Assessors Details** | | | | | | | | |
| **Name** | [Fiona McGuinness](mailto:fmcguinness@psc.ac.uk) | | | **Position/role** | | **Computer Science Teacher** | | |
| **Signature** |  | | | **Date** | | **17/01/2022** | | |
|  | | | | | | | | |
| **Confirmed by** | | | | | | | | |
| **Name** | **Lawrence Harvey** | | | **Position/role** | | **EPQ Supervisor** | | |
| **Signature** |  | | | **Date** | | **24/1/2022** | | |